

CMSH5-20 CMSH5-60
 CMSH5-40 CMSH5-100

**SURFACE MOUNT SILICON
 SCHOTTKY RECTIFIERS
 5.0 AMP, 20 THRU 100 VOLT**



SMC CASE



www.centrasemi.com

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CMSH5-20 series 5.0 Amp surface mount silicon Schottky rectifiers are highly reliable components designed for use in all types of commercial, industrial, entertainment, computer, and automotive applications. To order devices on 16mm Tape and Reel (3000/13" Reel), add TR13 suffix to part number.

MARKING CODE: SEE MARKING CODE TABLE ON FOLLOWING PAGE

FEATURES:

- High reliability
- Special selections available
- "C" bend construction provides strain relief when mounted on PC board

MAXIMUM RATINGS: (T_A=25°C unless otherwise noted)

	SYMBOL	CMSH5 -20	CMSH5 -40	CMSH5 -60	CMSH5 -100	UNITS
Peak Repetitive Reverse Voltage	V _{RRM}	20	40	60	100	V
DC Blocking Voltage	V _R	20	40	60	100	V
RMS Reverse Voltage	V _{R(RMS)}	14	28	42	71	V
Average Forward Current (T _A =75°C)	I _O			5.0		A
Peak Forward Surge Current, tp=8.3ms	I _{FSM}			125		A
Operating and Storage Junction Temperature	T _J , T _{stg}			-65 to +150		°C
Thermal Resistance	θ _{JL}			10		°C/W

ELECTRICAL CHARACTERISTICS: (T_A=25°C unless otherwise noted)

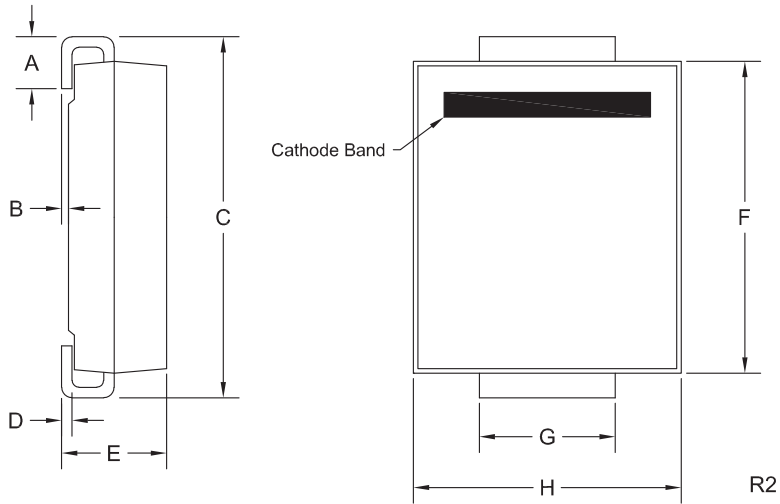
SYMBOL	TEST CONDITIONS	MIN	MAX	UNITS
I _R	V _R =Rated V _{RRM}		3.0	mA
I _R	V _R =Rated V _{RRM} , T _A =100°C		20	mA
V _F	I _F =5.0A (CMSH5-20, -40)		0.55	V
V _F	I _F =5.0A (CMSH5-60)		0.75	V
V _F	I _F =5.0A (CMSH5-100)		0.85	V

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SMC CASE - MECHANICAL OUTLINE



DEVICE	MARKING CODE
CMSH5-20	CS520
CMSH5-40	CS540
CMSH5-60	CS560
CMSH5-100	CS5100

SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.030	0.060	0.76	1.52
B	0.002	0.008	0.05	0.20
C	0.305	0.320	7.75	8.13
D	0.006	0.012	0.15	0.31
E	0.079	0.103	2.00	2.62
F	0.260	0.280	6.60	7.11
G	0.108	0.128	2.75	3.25
H	0.220	0.245	5.59	6.22

SMC (REV: R2)

R5 (11-September 2013)